Robert Seymour

Education

BRIGHAM YOUNG UNIVERSITY | JUNE 2013 – APRIL 2019

- Major: Bioinformatics
- Minor: Computer Science, Spanish
- GPA: 3.75
- Coursework overing Omics-based analyses, de Novo Genome Assembly and Alignment, and Statistical Analyses.

Work Experience

RESEARCH TECHNICIAN I | WASHINGTON UNIVERSITY IN ST. LOUIS | MAY 2019 - PRESENT

- Researched the redox reactions and proteins involved in cancer by analyzing protein structure and proteomic data using R and Python

RESEARCH ASSISTANT | BYU | JULY 2017 - APRIL 2019

- Researched the genetics of Alzheimer's Disease by performing statistical analyses on big data using Plink and R, including GWAS and graphically modeling that data in R

INTERN | CENTER FOR GENOMIC INTERPRETATION | SUMMER 2018

- Worked with a development team to build the backend of a website that allows people to improve clinical interpretation of genetic variants (FiNDiTALL)

Volunteer Experience

SPANISH INTERPRETER | CASA DE SALUD STL | MAY 2017 – JAN 2018

- Interpreted Spanish for patients and caregivers at the free volunteer-run clinic Casa de Salud in St. Louis, Missouri

TUTOR | BYU YSERVE | FEB 2018 - APR 2019

- Teach and explain difficult concepts to 5-7 BYU students each semester in Computer Science, Biology, Chemistry, and Bioinformatics courses to improve understanding of these subjects
- Served as supervisor for the Outreach Committee since Sep 2018
- Coordinate efforts to expand the Tutoring program by presenting to professors

SPANISH INTERPRETER | BYU YSERVE | MAY 2017 – JAN 2018

- Interpreted Spanish, including translating medical terminology, for patients at the Central Utah Surgical Center to facilitate understanding and reduce communication errors

Skills & Abilities

- Python, R, Github, Java, bash, C++, Slack, UNIX, LINUX, MacOS
- Spanish Fluency